List of Publication

Journal Papers:

1. Effect of γ-irradiation on thermal and thermoluminescence properties of polystyrene/europium (III) oxide composite film
   Shilpa Bhavsar, N.L. Singh, Birendra Singh
   Luminescence 35 (2019) 412-417.
   doi:10.1002/bio.3742 **Impact Factor= 1.855**

2. Effect of γ-irradiation on optical properties of Eu_2O_3-doped polystyrene polymer films
   Shilpa Bhavsar, Gnansagar B. Patel, N.L. Singh
   Luminescence 33 (2018) 1243–1248.
   doi:10.1002/bio.3541. **Impact Factor= 1.855**

3. Investigation of optical properties of aluminium oxide doped polystyrene polymer nanocomposite films
   Shilpa Bhavsar, Gnansagar B. Patel, N.L. Singh
   Phys. B Condens. Matter. 533 (2018) 12–16.
   doi:10.1016/j.physb.2017.12.055. **Impact Factor= 1.880**

Conference Paper:

1. Influence of gamma radiation on optical properties of Al_2O_3-doped polystyrene polymer films
   Shilpa Bhavsar, N.L. Singh
   AIP Conference Proceedings 2220 (2020) 080056.
   doi: http://doi.org?10.1065/5.0001829

Not included in Thesis:

1. Proton Beam Induced Modification of Luminescence Properties of Polystyrene/Al_2O_3 Polymer Nanocomposites
   Shilpa Bhavsar, N. L. Singh, S. V. Suryanarayana, K. V. R. Murthy
   Journal of Fluorescence volume 29, pages 1007–1012 (2019).
   doi: https://doi.org/10.1007/s10895-019-02414-z; **Impact Factor= 1.913**

2. SHI induced modification in structural, optical, dielectric and thermal properties of poly ethylene oxide films
   Gnansagar B. Patel, **ShilpaBhavsar**, N.L. Singh, F. Singh, P.K. Kulriya,
   Nucl. Instruments Methods Phys. Res. Sect. B 379 (2016) 156–161.
   doi:10.1016/j.nimb.2016.04.018. **Impact Factor= 1.270**

To be Communicate:

1. Effect of 90 MeV Carbon ions on Optical, Luminescence and Electrical properties of PS/Al_2O_3 Polymer Nanocomposite
   Shilpa Bhavsar, Gnansagar B. Patel, N. L. Singh, Deepa Singh, F. Singh
2. Effect of 90 MeV Carbon ions on Optical, Luminescence and Electrical properties of PS/Eu_2O_3 Polymer Nanocomposite
   Shilpa Bhavsar, Gnansagar B. Patel, N. L. Singh, Deepa Singh, F. Singh
3. Influence of Gamma and 90 MeV Carbon ions on Structural, Thermal and Electrical properties of PVA/H_3PO_4/SiO_2 Nanocomposite Polymer Electrolytes
   Shilpa Bhavsar, Gnansagar B. Patel, N. L. Singh, Birendra Singh, F. Singh
4. Effect of Gamma and 90 MeV Carbon ions on Optical properties of PVA/H_3PO_4/SiO_2 Nanocomposite Polymer Electrolytes
   Shilpa Bhavsar, Gnansagar B. Patel, N. L. Singh, Birendra Singh, F. Singh